



NOTES:

- MATERIAL:480R
Nd : 1.525120 ± 0.0005
Vd : 56.2815 ± 0.8%
- INTERPRET OPTICAL TOLERANCES PER ISO 10110
- Coat R1 & R2 surface as follows :
Rabs < 1.0% AT 460nm+-25nm
Rabs < 0.5% AT 535nm+-25nm
Rabs < 0.5% AT 625nm+-50nm
- Coatings shall meet adhesion using CT-18 tape
- SURFACE QUALITY:60-40,SCRATCH AND DIG PER MIL-PRF-13830B
- Coating area no film shortage
- The main inspection dimension

8.ASPHERICAL COEFFICIE

$$z = \frac{cy^2}{1 + \sqrt{1 - (1+K)c^2y^2}} + Ay^4 + By^6 + Cy^8 + Dy^{10} + Ey^{12} + Fy^{14} + Gy^{16}$$

ASPHERICAL DATA		
	R1	R2
R	15.81245758	8.29374913
K	0.00000000	-0.82833460
A	-1.57133559E-04	-2.02769611E-04
B	5.840663165E-07	7.29409285E-07
C	-3.40912977E-09	-4.43761328E-09
D	1.07650786E-11	1.32516843E-11
E	-2.20210306E-14	-1.54975097E-14
F	--	--
G	--	--

	Sag(mm)		Sag(mm)	
	R1	R2	R1	R2
0	0.0000	0.0000	0	0.0000
2	0.1245	0.2386	2	0.2386
4	0.4762	0.9252	4	0.9252
6	1.0010	1.9859	6	1.9859
8	1.6354	3.3255	8	3.3255
10	2.3211	4.8356	10	4.8356
12	3.0052	5.6158	11	5.6158
12.85	3.2837	6.0361	11.54	6.0361

9.SURFACE ACCURACY

Item	R1	R2
Accuracy (P-V)	<3um	<3um
Best Fitting (P-V)	<1.5um	<1.5um
AS	≤1um	≤1um
Roughness (Ra)	<20nm	<20nm
Profile	u/n non-bendable	
Surface Decenter (QV) (a) R1-Datum B (b) R2-Datum B (c) Between R1 and R2 Surface	(a) <7.8um (b) <6.6um (c) <5.5um	
Element Decenter+Tilt (D1) (a) Between R1 with Datum B (b) Between R2 with Datum B (c) Between R1 with R2 Surface	Decenter Spec : (a) <7.5um (b) <6 um (c) <7 um Tilt Spec : (c) <145"	
Surface Decenter (UA3P)	<6.5um (Reference Only)	
Surface Tilt(UA3P)	<60" (Reference Only)	



Material:		Surface Finish:			TITLE: 31.7mm Dia., 3.237mm Thk. Plastic Lens		
See note		See Note					
Scale:	Unit:	Size:	Sheet:	Stock No.	1H009	Rev.	01
free	mm	A4	1/1				